

## **ABSTRACT OF THE DISCLOSURE**

A multi-media printer includes an engine controller, a printhead controller, and a pulse activation table. The engine controller transmits a row of energy values. The printhead controller receives the row of energy values and transmits an activation signal. The activation signal is transmitted based on a comparison of an activating energy level for each pulse position in a pulse stream with the energy values in the row of energy values. Comparison logic performs the comparison and transmits an activation signal if the energy value for the row of energy values is greater than or equal to the activating energy level for the corresponding pulse positions.

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